

1125-11-3022 **Enrique Treviño*** (trevino@mx.lakeforest.edu), 555 N. Sheridan, Lake Forest College, Lake Forest, IL 60045. *Summer research projects for First Year students.*

During the past three years I've mentored 5 research projects for first year undergraduates. In this talk I will discuss these projects. I will give a brief description of how I selected the projects, what the projects were and how good these projects were for the students. The projects have the following titles: 1) What's so rational about the alphabet?, 2) Finding perfect polynomials mod 2, 3) On Tupper's self-referential formula, 4) First world-solutions to first-year problems, 5) Beatty sequences and the prime race. (Received September 20, 2016)